

# LINDY®

## CONNECTION PERFECTION

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### 3G SDI To HDMI Converter

User Guide

*English*

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LINDY No. 38098

[www.lindy.com](http://www.lindy.com)





## **Introduction**

Thank you for purchasing the LINDY 3G SDI to HDMI converter. With simple plug and play installation and operation, this unit allows you to view an SDI video source on an HDMI or DVI-D display device.

The LINDY 3G SDI to HDMI converter allows SDI, HD-SDI and 3G SDI signals to be displayed on an HDMI display. The converter also features an SDI Pass-Through port that allows the connection of an SDI compatible display for simultaneous viewing, extending or recording.

The converter accepts a Broadcast quality SDI input and converts to an HDMI digital 1080p video signal for viewing on the latest HDMI equipped HDTVs, monitors and projectors. A DVI-D display may also be connected if required and will require a suitable adapter or HDMI to DVI-D cable.

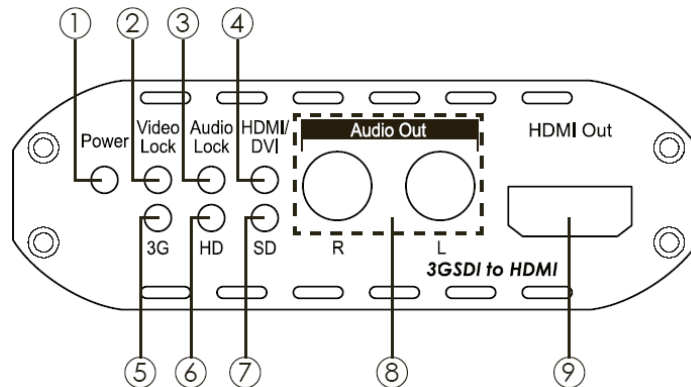
Please visit [www.lindy.com](http://www.lindy.com) for further details on our range of adapters and cables.

## **Features**

- Converts 3G SDI to HDMI 1.3
  - Compact metal housing design
  - Supports SMPTE Standards: 425M Level A & B, 424M, 292M, 259M-C
  - Automatic video mode detection (3G/SD/HD)
  - Equalized and re-clocked SDI pass-through port
  - Simultaneous display on both SDI and HDMI monitors
  - Supports resolutions: 480i, 576i, HD-SDI-720p, 1080i, 3G-SDI-1080p
  - Frequency bandwidth: 225MHz (HDMI 1.3)
  - Compatible with a DVI-D display when a suitable adapter or cable is used
  - Operating distances: 3G up to 100m, HD up to 200m, SD up to 300m (distances may vary depending on cable type used)
  - Multi-Country power supply: 110~240V AC 50-60Hz / 5V DC 2.6A centre positive connection (with Euro, US, UK & Australian plugs)
  - Dimensions: 137 x 90 x 25mm (WxDxH)
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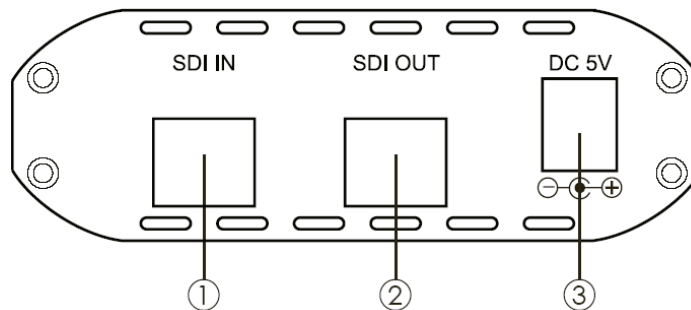
### Front Panel Connectors and LED Indicators

1. Power indicator: This LED indicator will illuminate when power is applied
2. Video Lock: This LED will illuminate when the SDI and HDMI signal are synchronised
3. Audio Lock: This LED will illuminate when the SDI input has an active audio signal
4. HDMI/DVI: This LED will illuminate when an HDMI display is connected (Off when DVI)
5. 3G detect: This LED illuminates when the SDI input is 3G format
6. HD detect: This LED illuminates when the SDI input is HD format
7. SD detect: This LED illuminates when the SDI input is SD format
8. Audio Output: Connect your powered speakers or amplifier to this port
9. HDMI Output: Connect your HDMI or DVI-D display to this port



### Rear Panel Connectors

1. SDI Input: Connect your SDI source device to this port
2. SDI Output: Connect an SDI compatible display to this port
3. DC Power Jack 5V DC 2.6A, connect the supplied power supply to this socket



## Supported Standards and Resolutions

STANDARD	FORMAT	BITRATE	RESOLUTION
SMPTE 259M	SD-SDI	270/360/143/177Mbit/s	480i, 576i
SMPTE 292M	HD-SDI	1.485 Gbit/s, 1.485/1.001 Gbit/s	720p, 1080i
SMPTE 424M	3G-SDI	2.970 Gbit/s, 2.970/1.001 Gbit/s	1080p

## Installation

The LINDY 3G SDI to HDMI converter is a Plug and Play device. Simply attach the converter to your SDI source device using a suitable BNC Co-Axial cable and connect an HDMI or HDMI to DVI-D cable to your display device. You may also wish to connect an SDI monitor to the pass-through port for simultaneous viewing, or for extending or recording the SDI signal.

The diagram below shows an example of how to connect the LINDY 3G SDI to HDMI converter.



Use a BNC Co-Axial cable to connect your SDI source and SDI display device

Use an HDMI to HDMI or HDMI to DVI-D cable to connect your display device and a suitable RCA/Phono audio cable for your powered speakers

**Notes on using DVI-D equipped devices:** To connect devices equipped with DVI-D connections, you can use either modular DVI/HDMI adapters or DVI/HDMI adapter cables. Be aware that DVI-D is a 'video only' interface; audio signals are not supported when using DVI-D source devices. Also, please note that DVI-D equipped displays must support HDCP signal decoding to display HDCP protected HDMI signals. HDCP compatible displays will normally feature the **HD Ready** logo.

**Power-Up Sequence**

Ensure all equipment is turned off before connecting the LINDY 3G SDI to HDMI converter. Once all cables are connected, apply power to the display device, and then apply power to the converter and then your source device.

**Package Contents**

- 1 x 3G SDI to HDMI converter
- Multi-country switching power adapter: 100~240V AC 50-60Hz / +5VDC / 2.6 Amp centre positive, includes Euro, US, UK & Australian adapters
- This user guide



## **CE/FCC/WEEE Statement**

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### **CE Certification**

This equipment complies with the requirements relating to Electromagnetic Compatibility Standards EN55022/EN55024 and the further Standards cited therein.

### **FCC Certification**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. You are cautioned that changes or modification not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.



### **WEEE (Waste of Electrical and Electronic Equipment), Recycling of Electronic Products**

#### **United Kingdom**

In 2006 the European Union introduced regulations (WEEE) for the collection and recycling of all waste electrical and electronic equipment. It is no longer permitted to simply throw away electrical and electronic equipment. Instead, these products must enter the recycling process.

Each individual EU member state has implemented the WEEE regulations into national law in slightly different ways. Please follow your national law when you want to dispose of any electrical or electronic products. More details can be obtained from your national WEEE recycling agency.

#### **Germany**

Die Europäische Union hat mit der WEEE Richtlinie umfassende Regelungen für die Verschrottung und das Recycling von Elektro- und Elektronikprodukten geschaffen. Diese wurden von der Bundesregierung im Elektro- und Elektronikgerätegesetz – ElektroG in deutsches Recht umgesetzt. Dieses Gesetz verbietet vom 24. März 2006 an das Entsorgen von entsprechenden, auch alten, Elektro- und Elektronikgeräten über die Hausmülltonne! Diese Geräte müssen den lokalen Sammelsystemen bzw. örtlichen Sammelstellen zugeführt werden! Dort werden sie kostenlos entgegen genommen. Die Kosten für den weiteren Recyclingprozess übernimmt die Gesamtheit der Gerätehersteller.

#### **France**

En 2006, l'union Européenne a introduit la nouvelle réglementation (DEEE) pour le recyclage de tout équipement électrique et électronique.

Chaque Etat membre de l' Union Européenne a mis en application la nouvelle réglementation DEEE de manières légèrement différentes. Veuillez suivre le décret d'application correspondant à l'élimination des déchets électriques ou électroniques de votre pays.

#### **Italy**

Nel 2006 l'unione europea ha introdotto regolamentazioni (WEEE) per la raccolta e il riciclo di apparecchi elettrici ed elettronici. Non è più consentito semplicemente gettare queste apparecchiature, devono essere riciclate. Ogni stato membro dell' EU ha tramutato le direttive WEEE in leggi statali in varie misure. Fare riferimento alle leggi del proprio Stato quando si dispone di un apparecchio elettrico o elettronico.

Per ulteriori dettagli fare riferimento alla direttiva WEEE sul riciclaggio del proprio Stato.



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